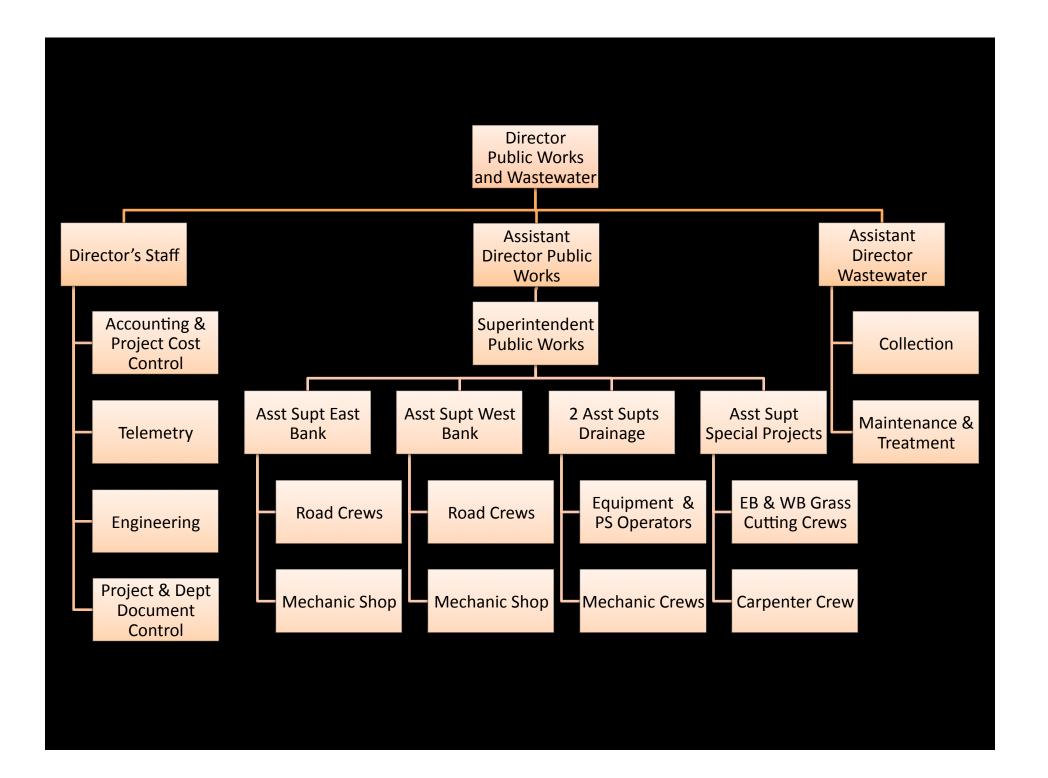
St. Charles Department of Public Works and Wastewater

The St. Charles Parish Public Works Department's mission is to provide the best possible roads and storm drainage systems to ensure the safety and security of the Parish residents and their property.



Public Works Maintains and Improves Critical Parish Wide Infrastructure: Roads, Storm Water Pumping Network, and Grass Cutting of Parish Property and Right of Ways

- Public Works maintains over 195 miles of roads of varying surfaces such as concrete, asphalt, and limestone.
- Public Works maintains over 390 miles of drainage ditches/ sub surface drainage and over 50 miles of major conveyance canals.
- Public works maintains and implements improvements to our 49 pumping stations.
- St Charles Parish pumping network consists of 115 pumps (electric, diesel, natural gas, and hydraulic) with capacity of over 3.6 million gallons per minute.
- 17 of our pumping stations are equipped with telemetry.



Critical Drainage Long Range Plan Progress

Initial assessment - \$117 Million in critical drainage improvements

- •\$14.9 Million projects completed to date
- •\$13.5 Million projects under construction and \$3.9 Million in design
- •\$14.8 Million pending grants
- West Bank Hurricane Protection Levee
 - •\$0.5 Million in Priority 2 (approved for Funding, not Bonded)
 - •\$4.5 Million in Priority 3 (Request Submitted, pending Approval)
- Rain events
 - •In a 12 month period- April 08 thru April 09- five major rain events
 - •4-6 inches of rain- 3 times in Ormond area
 - •4-6 inches of rain- Hahnville area
 - •4-6 inches of rain- Muntz and St. Rose
 - •4-6 inches of rain Des Allemands, Bayou Gauche, Luling, Coronado, Mimosa, Willowdale, Willowridge-
- Historic flooding
 - •The greatest amount historic flooding is on the East Bank and associated with major rain events, not wind events.
 - •The historic flooding on the West Bank associated with major rain events

Public Works Construction Projects By Year

	Construction \$	Grant \$
2008	676,464	406,491
2009	3,819,983	380,300
2010	13,478418	7,393,626
2011	27,487,077	16,887,557
Totals	45,461,942	25,067,974

Public Works Construction Projects By Infrastructure Class

	Construction \$	Grant \$
Pump Stations	22,358,015	17,481,571
Drainage	6,057,175	3,930,011
Roads	5,922,858	643,991
Wastewater	6,124,213	352,845
Other(PW Office, Yard, Bike Paths)	4,999,681	2,659,556
Totals	45,461,942	25,067,974

Public Works Summary of Accomplishments Drainage Improvements By Year

	Ditches/Culverts Cleaned And Repaired Ft	Canals Cleaned Miles	Pump Station Telemetry Added and Upgraded
2008	Not Available	Not Available	2
2009	173,900	20.8	2
2010	241,911	34.5	2
2011	130,989	30.0	3
Totals	546,800	85.3	9

Public Works Summary of Accomplishments By Year

	Council Work Orders #	Department Work Orders #
2008	Storms Gustav & Ike 62	4,835
2009	371	6,500
2010	277	6,500
2011	167	4,147
Totals	877	21,982

PARISH LEVEES

Federal Projects

- •E/B now at 100 year protection
- Cross Bayou Pump Station 95% complete
- Urban Storm Water Study
 - •50%- 50% cost share
 - Approximately 40 potential projects
- West Shore(Montz) Corp Feasibility Study
- West Bank and Vicinity Levee Ama

Parish Projects

- •Magnolia Ridge preparing new permit to allow enhanced pumping during non-storm events
- •Willowridge permit approved and preparations underway to acquire land
- •Ellington comment period complete waiting on permit approval from DNR and COE

PUMP STATION IMPROVEMENT PROJECTS

Prescott Pump Station



Ama Bar Screen Cleaner





Cousin's PS Bar Screens





Paradis PS Bar Screens





Replace Pump and Install Cover New Sarpy PS





Schexnayder PS Bar Screens





Replace NG Engines Destrehan #1 PS



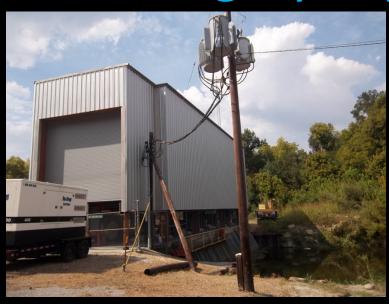


Lakewood PS Auto Bar Screen

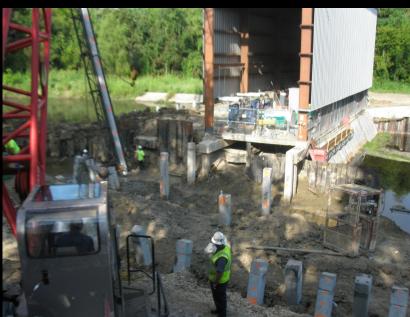




Eighty Arpent PS Upgrade









Coronado Park PS Upgrade









New Sarpy PS Auto Bar Screens





Engineer's Canal Auto Bar Screen









Dianne PS Auto Bar Screen







Boutte PS Upgrade





Additional Pump at Walker PS



DRAINAGE IMPROVEMENT PROJECTS

Maryland Dr Crossing



Evangeline Rd Culverts









Thoroughbred Ln Culverts





Michael Dr Culverts





Keri and Warren Dr Culverts





Ormond Blvd Culverts









Dunleith Canal Stabilization





ROADS

Roads







WASTEWATER PROJECTS

Acorn & Sharon Sewer Improvements





WWTP New Secondary Inlet Well and H₂S Control





Typical Concrete Wall Repair and New Lining





Priority Lift Station and Force Main Upgrade Project

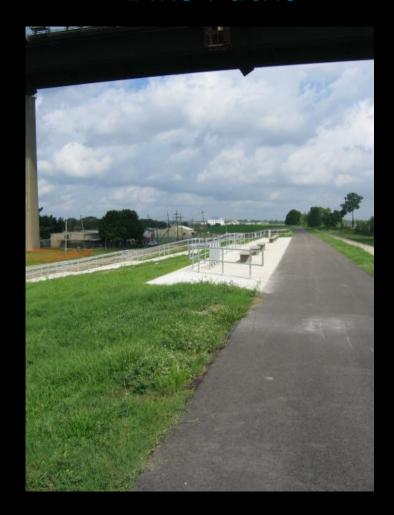






OTHER SUPPORT PROJECTS

Bike Paths



Rathborne Walking Trail

Courthouse Emergency Generator





Public Works Office Relocation













Public Works WB Yard Relocation







MAINTENANCE

Airline Canal





Davis Diversion Canal Cleaning



Parish Line Canal





Prescott Canal





Canal Bank Sheet Pile Beaupre

Bank Stabilization Destrehan #2 PS



Willowridge Ditch Relocation





Walker Canal Cleaning





Grass Cutting



Ditch Cleaning



Before and After



Culvert Cleaning



Debris and Trash Pickup



Tree Trimming and Removal



PUMP STATION GENERATORS

Permanent Pump Station Generators

Pump Stations with Permanent Generators

- Dianne
- Destrehan #2
- •NOLA
- Randolph
- Boutte
- Lakewood
- Paradis
- Walker
- Destrehan #1

In Process of Installing

- Cousins
- •80 Arpent
- Coronado #2
- Oakland
- Davis Diversion
- Barton
- New Sarpy

Randolph PS Generator

NOLA PS Generator

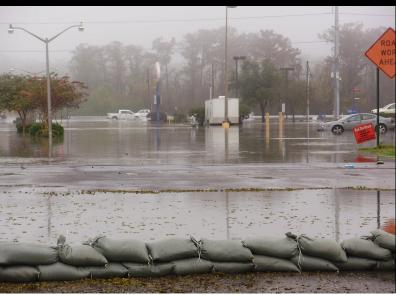




MAJOR RAIN EVENT RESPONSE

December 2009 Response









TS Lee Response









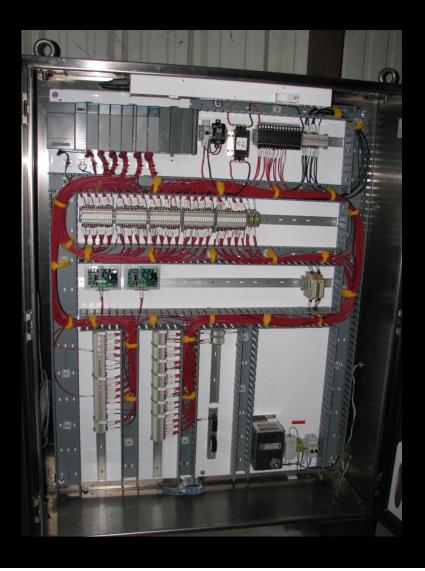
TELEMETRY

Telemetry Control Panel

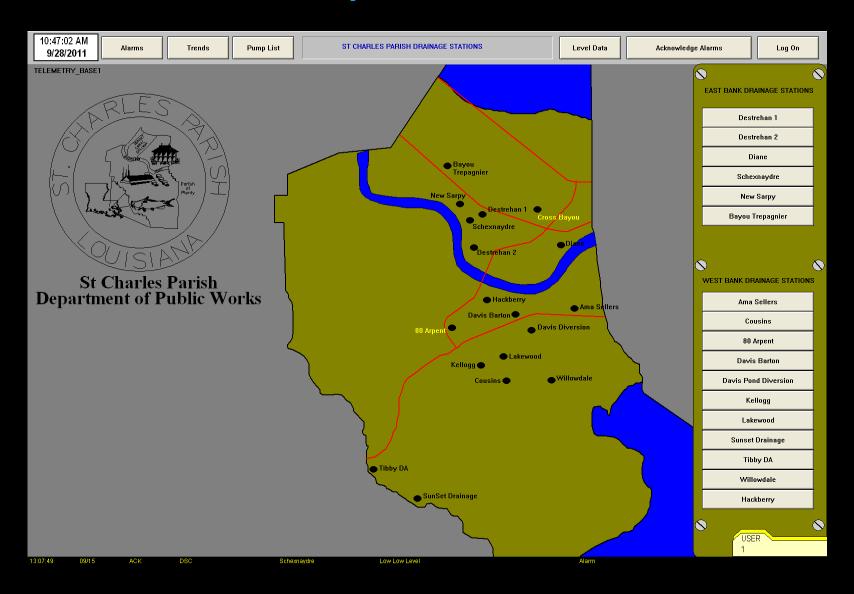


Telemetry at Destrehan 1 PS





Telemetry Control Screen



Telemetry Weather Monitoring





Telemetry Upgrades

East Bank Telemetry Stations

•Destrehan 1 added bar screens 2011

•Destrehan 2 added bar screens 2010

•Schexnarydre added bar screens 2010

New Sarpy

•Trepagnier

Diane

•Cross bayou to be added end of 2011

Future Additions

•New Sarpy automate bar screens

•Dianne automate bar screens

•Cousins automate bar screens

•Willowdale total system upgrade

•Engineers new system

•4th Street new system

West Bank Telemetry Stations

Ama Sellers

Cousins

Davis Barton bar screens added 2008

Davis Pond

•Kellogg bar screens added 2009

•Lakewood bar screen added 2009

•Sunset station added 2008

•Tibby DA

•Willowdale

Hackberry

•80 Arpent system upgrade 2011

St. Charles Department of Public Works and Wastewater

THANK YOU

